

Attorney Docket No. AGZP:115US
U.S. Patent Application No. 10/709,189
Reply to Office Action of March 4, 2005
Date: July 1, 2005

Current Status of the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A pair of ~~Folding roller~~ counter rotating folding rollers used for use in converting machines for converting ~~of~~ paper or similar products, each of said machines pair of counter rotating folding rollers comprising a ~~first and a second counter rotating folding roller having a~~ at least one substantially cylindrical body and a plurality of folding means, wherein said first and second pair of folding ~~roller~~ rollers interact at a contact line ~~for making to produce in a folding area downstream~~ said contact line a stack of folded and/or interfolded sheets downstream from said contact line characterised in that at least one support spaced from said contact line is provided for each of said pair of folding rollers spaced from said contact line and in order not to impede folding operations in said folding area.
2. (currently amended) ~~Folding roller~~ The pair of counter rotating folding rollers [,] according to claim 1, wherein between said at least one support and said supported folding roller a bearing is provided suitable for allowing a free rotation of said supported folding roller with respect to said at least one support.
3. (currently amended) ~~Folding roller~~ [,] The pair of counter rotating folding rollers according to claim 1, wherein each of said pair of counter rotating folding rollers further comprises a gap for contacting said at least one support wherein said gap is located at the end of or between said plurality of folding means holds said folding roller at a portion not occupied by folding rings of said folding roller.
4. (currently amended) ~~Folding roller~~ [,] The pair of counter rotating folding rollers according to claim 1, wherein said each of said pair of counter rotating folding roller rollers comprises at least a first and a second cylindrical body wherein one end of each of said first and second cylindrical

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bodies are operatively connected at an end along the cylindrical axes of said first and second cylindrical bodies so that they can rotate integrally.

5. (currently amended) ~~Folding roller[.] The pair of counter rotating folding rollers~~ according to claim 4, wherein at least one of said at least one support for each of said pair of folding rollers further comprises a and the relative bearing are arranged to contact said folding roller at said operatively connected ends operatively connected.

6. (withdrawn) Method to obtain folded and/or interfolded sheets of paper and similar products by feeding and moving a sheet or web of paper or similar products in a folding and/or interfolding machine up a couple of folding counter rotating rollers, said rollers being suitable for cooperating at a contact line for making a stack of interfolded and/or folded sheets in a folding area located downstream of said contact line characterised in that said folding rollers are held by a support spaced from said contact line without impeding folding operations in said folding area.